

APPROVAL OF SERVICE SUPPLIERS

This is to certify that

Mistras Group B.V.

Spijkensisse, Netherlands

is granted acceptance for

Non-Destructive Testing (NDT) on classification projects , in accordance with Class Programme DNVGL-CP-0484.

This service supplier certificate will be accepted for use with all rule sets published by DNV GL.
See the following page(s) for details regarding application.

This Certificate is valid until **2021-12-21**.

Issued at **Rotterdam, Product Certification /Verification** on **2019-02-08**



for **DNV GL**

This document has been digitally signed and
will therefore not have handwritten signatures

Angenent, Maurice
Station Rotterdam - Head of VMC & CMC

This Certificate may be withdrawn if:

1. The service provided has been improperly carried out or the results improperly reported.
2. The surveyor has found any deficiencies in the accepted operating systems of the service supplier.
3. The firm has failed to inform of any major changes having effect on the quality of the service rendered.
4. The conditions listed in the certificate are changed and/or are not fulfilled.

Application:

1) The following NDT procedures are approved:

- Radiographic Testing (RT) : MG-RT16-REV1E, rev 1, dated 2014-09-09
- Magnetic Particle Testing (MT)(Yoke method) : MG-MT16-1E, rev 0, dated 2015-02-23
- Ultrasonic testing (UT) of welds in plates, T-joint and Y-joint in carbon steel : MG-UT16-1E, rev 04, dated 2016-01-26. Testing of tubular TKY joints is not covered by this approval.
- Penetrant Testing (PT) : MG-PT16-1E, rev 0, dated 2015-06-14
- Visual Testing (VT) : MG-VT16-1E rev0, dated 2015-02-23
- TOFD : MG-TF06-01 rev 01 dated 2018-09-21

2) . NDT to be carried out by the following personnel (RT- execution of radiographic examination, FT- Interpretation of the radiographic films):

Manfred Stramka MT, UT, PT, VT, RT
Denny Scheidt MT, PT, UT, VT
Martijn de Laat MT, PT, UT, VT
Rick Verberne MT, UT, PT, VT, TOFD
Tim van Dongen MT, UT, PT, VT
Max Croes MT, UT, PT, FT, TOFD
Joris Aufenacker MT, UT, PT, TOFD
Norbert Trimborn UT, TOFD
Ischa van der Staal RT, MT, PT, FT
Lukasz Smigielski MT, PT, UT, VT, RT
Leroy Groeneveld MT, PT, RT
Jimmy van Vuuren MT, PT, VT, RT, FT
Jamy Tielak MT, PT, VT, RT, FT
Jill Nugteren MT, PT, UT, VT
Edwin van Zanten MT, PT, UT, TOFD
Mohamed Elhannouf UT
Mattijs Reijnders MT, PT, UT, VT
Marcel van den Engel VT
Martijn van der Heijden MT, PT, UT, TOFD
Michel van Reine MT, PT, UT
Nikki Watkinson MT, PT, RT
Peter Kleingeld MT, UT, VT, TOFD
Radjesh Dhoeki MT, PT, VT
Richard Paans MT, PT, UT, VT
Danny Roth PT
Brian Martens MT, PT, UT, TOFD
Auke L Postma MT, PT, UT, RT, FT
Amber van Deelen MT, PT, UT, VT, TOFD
Rafal Wojtkiewicz MT, PT, UT, VT, RT, TOFD

Supervisors:

Robert van Deelen MT, PT, UT, RT
Manfred Stramka PT, VT, RT, MT, UT
Edwin van Zanten MT, PT, UT
Jamy Tielak VT, RT
Joris Aufenacker PT, MT, UT
Norbert Trimborn UT, TOFD